

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
TS1102 (US)

APPLICATION NUMBER

9/24/2003
MLLLIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

APPLICANT
E. Drent et al.

FILING DATE

GROUP ART UNIT

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
ML	AA	2,042,011	5/26/36	Loomis	166	21	
ML	AB	5,994,591	11/30/99	Arnoldy et al.	568	454	
ML	AC	6,156,936	12/5/00	Drent et al.	568	454	
	AD						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
ML	AG	WO 02/26690 A1	4/4/02	World	C07C	67/38		
ML	AH	WO 02/064250 A2	8/22/02	World	B01J	31/24		
ML	AI	WO 01/87899 A1	11/22/01	World	C07F	9/50		
ML	AJ	WO 95/05354	2/23/95	World	C07C	29/16		
ML	AK	0,922,691 A1	6/16/99	Europe	C07C	45/50		
ML	AL	0,900,776 A1	3/10/99	Europe	C07C	45/50		
ML	AM	2,671,132	7/3/92	France (English Abstract)	E21B	33/138		X
ML	AN	2,306,344	5/7/97	United Kingdom	C07C	29/16		
ML	AO	0,495,547 A2	1/10/92	Europe	C07C	51/14		

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	
	AS	
	AT	

EXAMINER

/Marialouisa Lao/

DATE CONSIDERED

02/22/2007

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- This is not a representation that a search has been made.

FORM PTO-1449 (M dified)

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APPLICANT
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September 24, 2003

GROUP ART UNIT

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date If Appropriate
ML	AA	Ser. No. 10/669,916	9/24/03	Drent et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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09/28/2006

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E. Drent et al.FILING DATE
September 24, 2003GROUP ART UNIT
1621

REFERENCE DESIGNATION							
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date If Appropriate
ML	AA	US6103927	8/15/00	De Castro Loureiro Barreto Rosa et al.	560	207	
ML	AB	US5780684	7/14/98	Drent et al.	568	454	
ML	AC	US6290926	9/18/01	Haenel et al.	423	437.2	
ML	AD	US6037500	3/14/00	Zhang	568	12	
ML	AE	US5817848	10/6/98	Kamer et al.	556	12	
ML	AF	US6613922	9/2/03	Zanotti-Gerosa et al.	556	19	
ML	AG	US6525210	2/25/03	Zhang et al.	556	21	
ML	AH	US6828271	12/7/04	Zhang et al.	502	162	
ML	AI	US20040220049	11/4/04	Hems et al.	502	150	

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes No
ML	AL	EP0499329	5/4/94	Europe	B01J	31/18	
ML	AM	WO02057278	7/25/02	World	C07F	9/48	
ML	AN	WO0114299	3/1/01	World	C07C	39/205	
ML	AO	WO0236261	5/10/02	World	B01J	31/16	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)		
ML	AR	"Hydroformylation of Internal Olefins to Linear Aldehydes with Novel Rhodium Catalysts," by Lars A. van der Veen, Paul C. J. Kramer, and Piet W. N. M. van Leeuwen, Angew. Chem. Int. Ed. 1999, 38 No. 3, pp. 336-338
ML	AS	"On the Mechanism of the Thermal Tetramerization of Phospholes," by M. O. Bevierre, F. Mercier, L. Richard, and F. Mathey, Bulletin de la Societe Chimique de France (1992), 129, 1-8
ML	AT	"Versatile Ligands for Palladium-Catalyzed Asymmetric Allylic Alkylation," by Peter Dierkes, Shailesh Ramdeehul, Laurent Barloy, Andre De Cian, Jean Fischer, Paul C. J. Kamer, Piet W. N. M. van Leeuwen, and John A. Osborn, Angewandte Chemie, International Edition (1998), 37, No. 22, pp. 3116-3118

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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Patentee	Class	Subclass	Filing Date If Appropriate
ML	BA	US5189003	2/23/93	Klusener et al.	502	167	
ML	BB	US2004059157	3/25/04	Slany et al.	564	16	
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No	
ML	BL	GE10106348	8/14/02	Germany (English Abstract)	C07F	9/6568		X
	BM							
	BN							
	BO							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

ML	BR	Chemical Abstracts Service, Waschbuesch, Klaus et al., "Combining the Chemistry of Phospholes and Phosphinines," Data accession no. 124:176301, abstract of Bulletin de la Societe Chimique de France (1995), 132(9), 910-19
ML	BS	"Palladium-Catalyzed Enantioselective Multiple Carbonylation of 1-Olefins. Synthesis of Optically Active 2-oxo-pentanedioates and Butanedioates," by Martin Sperrle, Giambattista Consiglio, Inorganic Chimica Acta (2000) pp. 264-272
ML	BT	Chemical Abstracts Service, Fujie, Naoto et al., "Asymmetric Reactions Catalyzed by Chiral Metal Complexes. LXXXV. Synthesis of new Atropisomeric Bisphosphine Ligands Bearing Chiral Phospholane and Their use in Asymmetric Hydrogenation," Database accession no. 130:296749, abstract of Chemical & Pharmaceutical Bulletin (1999) 47(3), pp. 436-439

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